LABDEX

Handheld Colorimeter LX200HCR

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Description

Handheld Colorimeter LX200HCR is a compact, handheld device designed for rapid and precise color measurement. Integrated with multiple color charts and advanced color-difference formulas, it ensures accurate on-site color evaluation. Its portable design and intuitive operation make it ideal for quick inspections, mobile quality control, and color matching across a wide range of industries.

Specifications

Measuring aperture	8 mm
Illumination geometry	45/0 (45°Annular illumination, 0° viewing angle)
Lighting source	Full spectrum LED light source
Measurement conditions	Light source D65, field of view 10°
Color space	CIE Lab, Luv, LCh, Yxy, CMYK, RGB, Hex
Color difference formula	ΔE*ab, ΔE*uv, ΔE*94, ΔE*cmc (2:1), ΔE*cmc (1:1), ΔE*00, ΔE*cmc (1.4:1)
Repeatability	Standard deviation within ΔE*ab 0.03
External dimension	31.7 x 31.7 x 70.4 mm
Net weight	51 g
Packing dimension	120 x 80 x 50 mm
Gross weight	2 Kg

Features

- Uses a full-spectrum white LED light source with detector
- Built-in QC testing function with pass/NG judgment and adjustable ΔE thresholds
- Supports 7 colour spaces and 6 colour-difference formulas
- App includes multiple colour charts with fast matching for up to 3 colour codes
- Enables data sharing and external data import via WhatsApp, email
- Capable of continuous 10,000 measurements on a full charge

Applications

- It is widely used in textile printing and dyeing, paper making, plastics, paints, and other industries, and provides dependable colour control and supports efficient quality management.

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